

0044567-0100

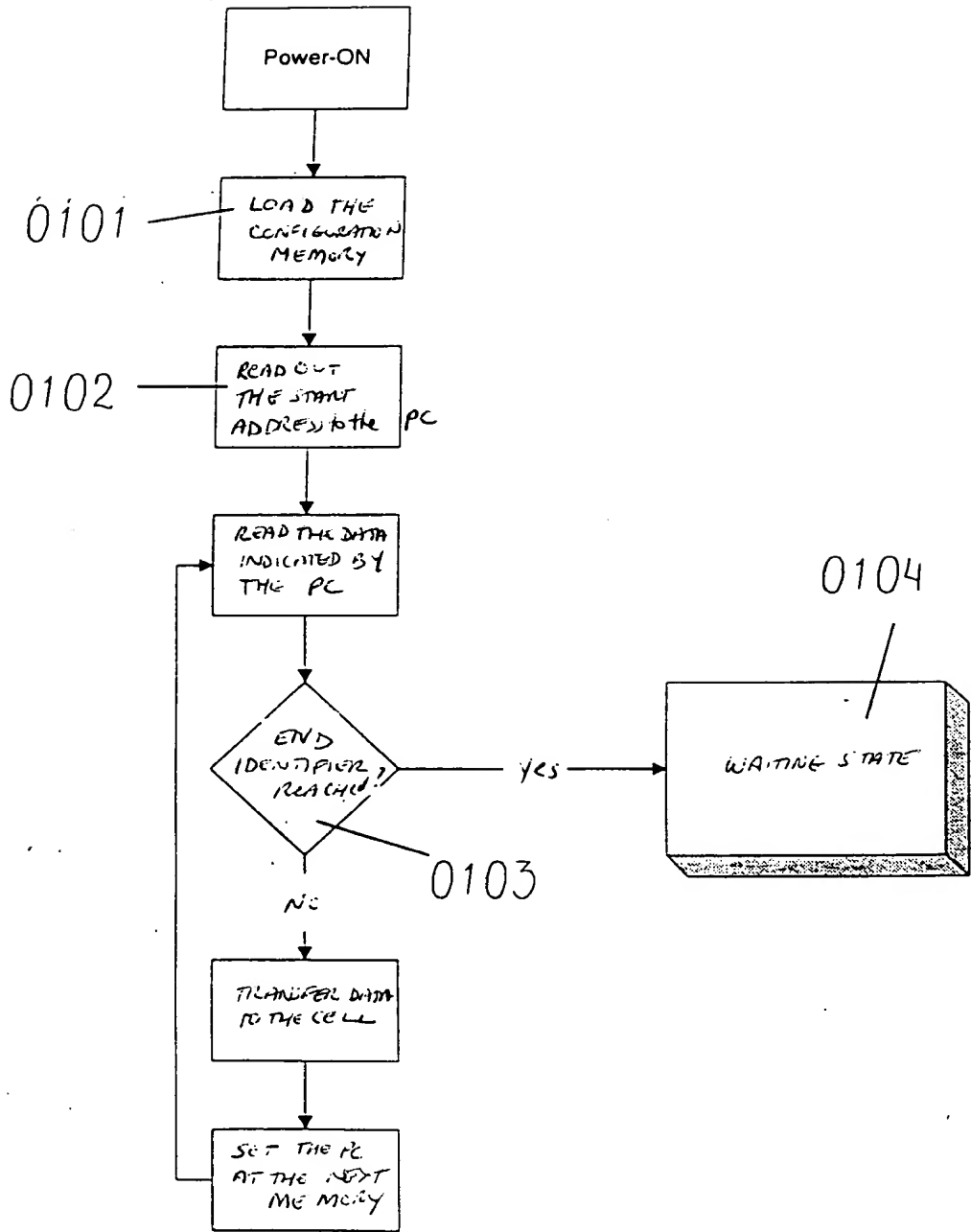


Fig. 1

09494567.013100

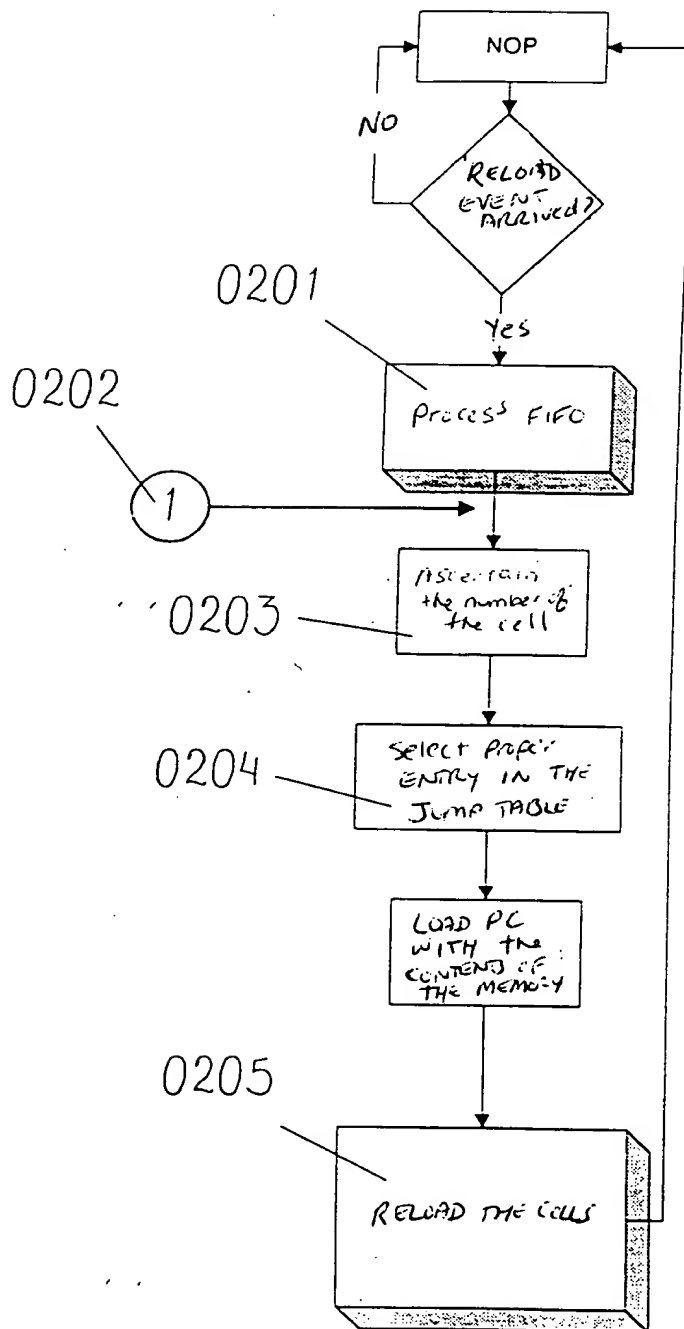


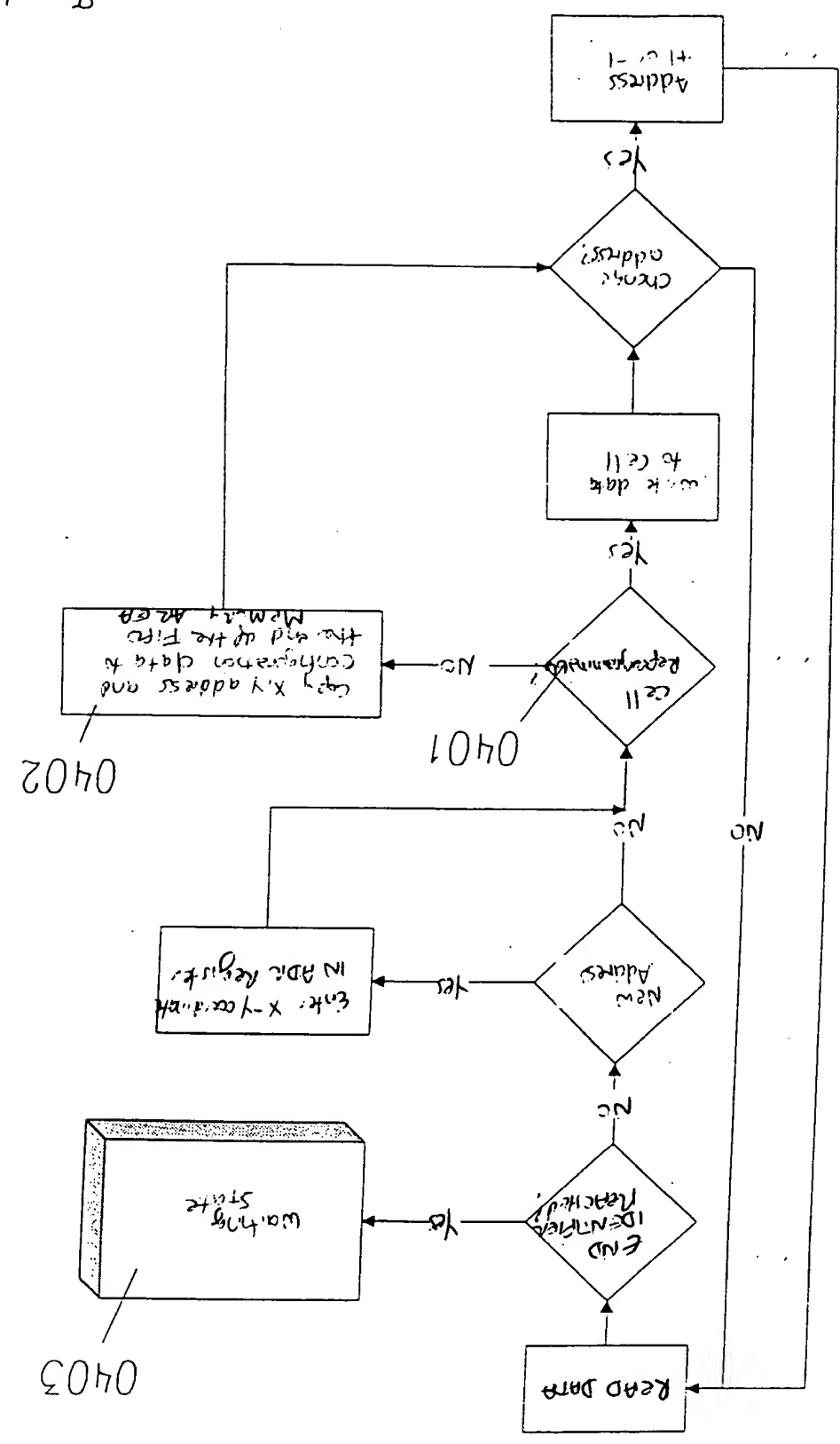
Fig. 2

The flowchart illustrates the control logic for a FIFO (First In, First Out) buffer. The process begins with 'USE PEFO FC. INTER', leading to 'READ DATA'. A decision diamond 'FIFO END Reached?' (labeled 0301) checks for the end of the buffer. If 'Yes' (labeled 0302), it proceeds to a circle containing '1'. If 'No', it checks 'New Address?'. If 'Yes', it goes to 'ENTER X-Y Coordinate in ADDR REGISTER'. If 'No', it checks 'Cell Reprogrammable?'. If 'Yes', it goes to 'write data to cell'. If 'No', it goes to 'COPY DATA TO NEXT free FIFO LOCATION' (labeled 0302). After 'write data to cell', it checks 'Change addresses?'. If 'Yes', it goes to 'Address +1 or -1'. If 'No', it loops back to 'READ DATA'. The 'COPY DATA TO NEXT free FIFO LOCATION' step is detailed in three diagrams showing the state of a 6-cell FIFO buffer:

- Diagram 0303:** Labeled 'END.' and 'Beginning'. The buffer cells are numbered 1 to 6. Cell 1 is the 'Free entry'. The 'Current entry' is at cell 3.
- Diagram 0304:** The buffer cells are numbered 1 to 6. Cells 2 and 3 are shaded, indicating they are full. Cell 1 is the 'Free entry'. The 'Current entry' is at cell 4.
- Diagram 0305:** The buffer cells are numbered 1 to 6. Cells 1, 2, and 3 are shaded, indicating they are full. Cell 4 is the 'Free entry'. The 'Current entry' is at cell 5.

Fig. 3

Fig. 4



004494567, 0133100

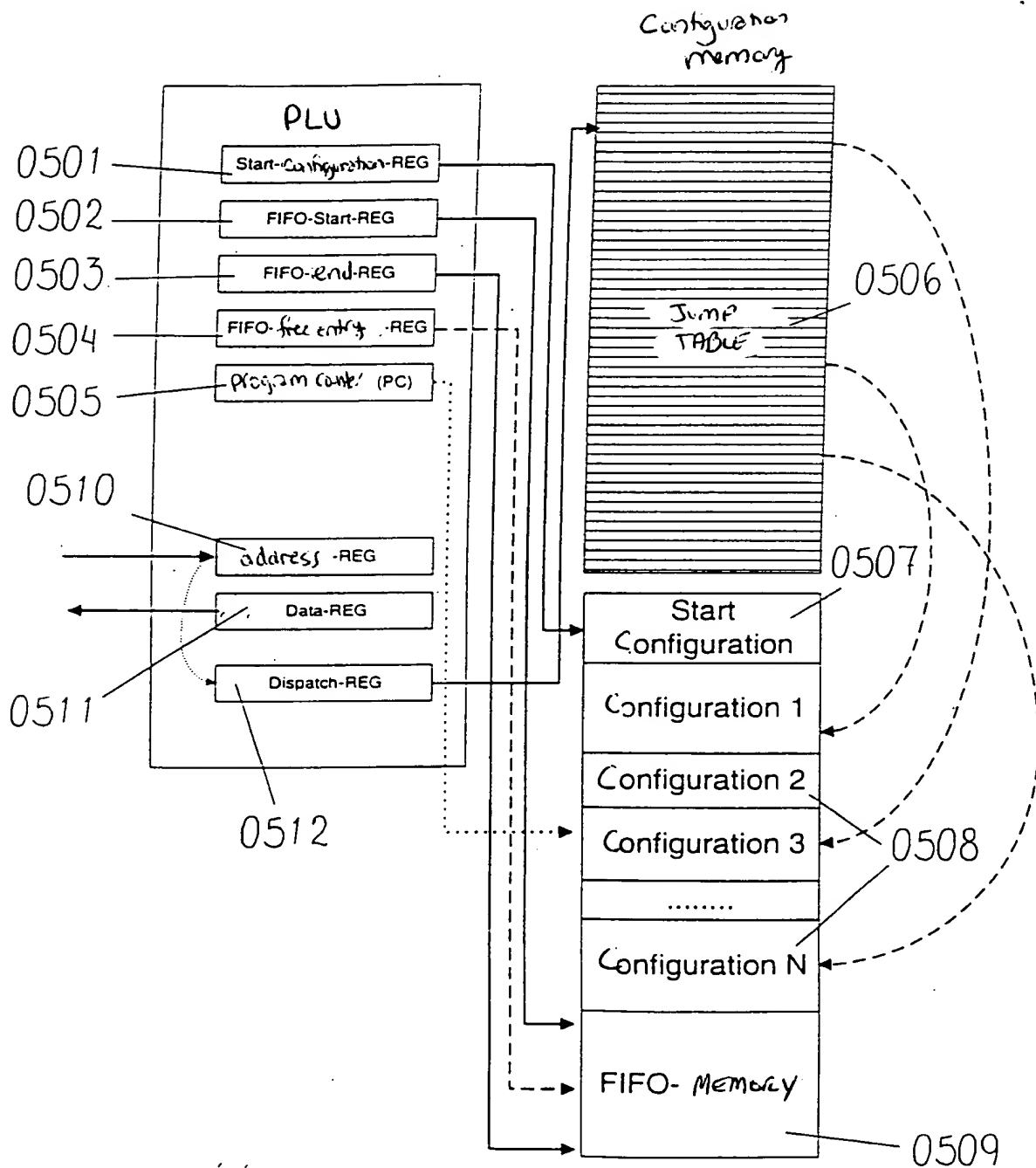
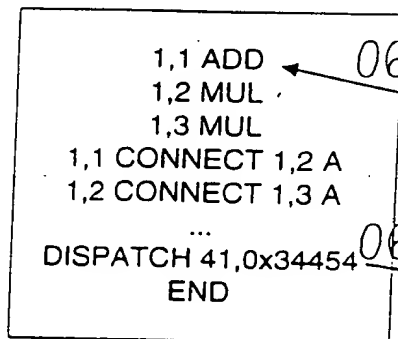


Fig. 5

CONFIGURATION PROGRAM

JUMP TABLE

1st Command Address = 0x12161



entry	39: 0x12354
entry	40: 0x30078
entry	41: 0x12161

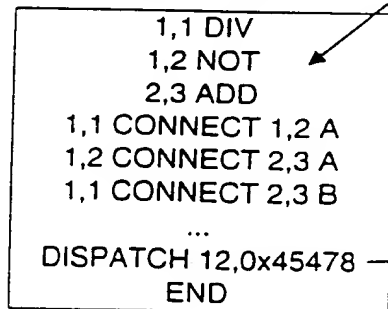
0601

0604

entry	39: 0x12354
entry	40: 0x30078
entry	41: 0x34454

0602

1st Command Address = 0x34454



entry	11: 0x12387
entry	12: 0x08178
entry	13: 0x82161

0607

0606

entry	11: 0x12387
entry	12: 0x30178
entry	13: 0x82161

0608

Fig. 6